User's Manual

DIGITAL IC RECORDER

MENU
REC MODE

FOLDER
MIC SENS

ERASE

MODE
DISPLAY

DR1064/DR1128/DR1256/DR1512/DR11024

Dyne Telecom Co., Ltd.

Contents

Preparation

Precautions

Please Read the following precautions before using the unit.

Any problem happened without reading this precaution is not Dyne telecom's responsibilty.

● Do not use the unit for other purposes which are not recommended in this manual.
● Do not impact the unit by strong stock or shaking. Or it may cause a serious problems on unit.
● Do not use or place the unit in hot, humid, strongly vibrated and strong magnetic places.
● Be careful that the unit does not get wet. As this may cause critical damage that could be impossible to repair. If the player gets wet then please wipe the unit with a dry towel and contact the service center.

● When other materials are on the unit, wipe it out with soft cloth or towel.
   Do not clean the unit with inflammable solvents like alcohol, benzene and thinner,

etc.
- ● Do not disassemble & assemble the unit by yourself. It will not covered by Dyne's A/S
- ● Check the polarity before you use the battery.
- ● When you are not going to use the unit for a long time, remove the batteries to prevent damage from battery leakage and corrosion.
- ● Please plug in / unplug the earphone or cable by grasping the plug connector. This may cause a break in the wire.
- ● Do not make a shock or a shake while the USB is connected to the PC.
- ● Case of any data loss saved in the unit by user mistake or unit breakdown, dyne telecom does not have any responsibility to compensate for your data loss.
- ● If the hold Button [HOLD] is locked, the player is not working. Unlock the hold [HOLD] button.
- ● Do not carry the battery with other metallic items, as it can cause a fire because of the short of battery that is used in the player.
- ● Watch out the scratching from the Papers or Wrap paper.
- ● Please take care not to be hurt while opening the battery cover or by product edge.
- ●Using the earphone for long time will cause some problem on your ear. So, do control the use time.
- ●Do not use the earphone while you are driving because it is so dangerous.
- ●Do not hear the earphone with full volume when you walk by the crosswalk.

Copyright Protection

1. You cannot use the TCV, TVF files produced by Digital Audio Player for the purpose of commercial purpose. They can be used for personal purpose only.

2. This company reserves all the copyrights of the contents of this publication and Digital Audio Player software. So, we notice that you cannot reproduce, copy or translate any part of this publication into any language in any form without the prior written consent of the copyright holders.

3. It could be illegal to use or duplicate the recordings beyond a private purpose
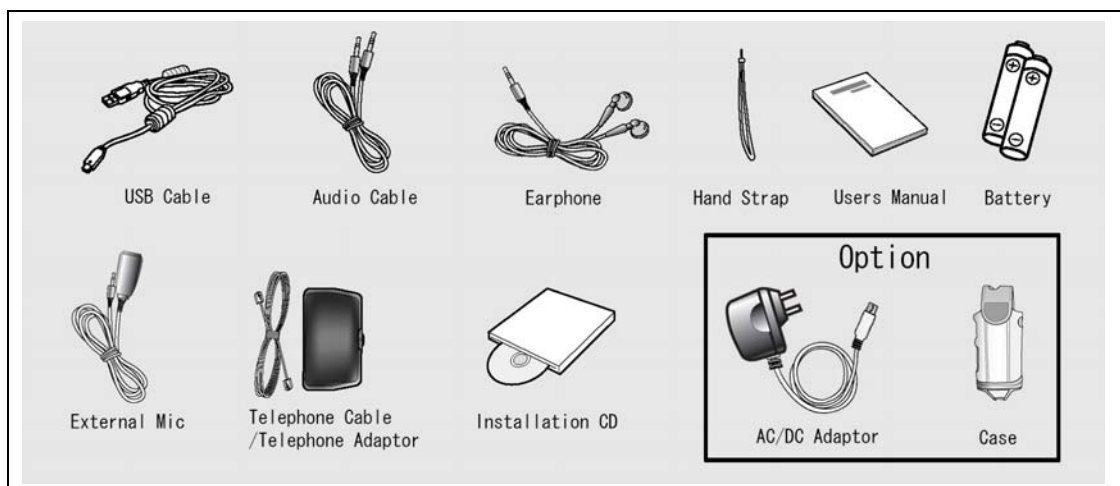
Prouct Features

- ● Full Graphic & Icon LCD
- ● FLEXISPEED Control : 6 levels
- ● Multi Format Support : MP3 and WMA Format
- ● EQ Function : 8 different EQ support : NORMAL(FLAT), POP, CLASSIC, JAZZ, ROCK, AUTO,USER, 3D
- ● Multi Language Support : Korean, English, Japanese, Chinese etc.
- ● Support Multi Language Menu OSD(Korean / Japanese / English)

● External Stereo Recording : Real time recording to MP3 file by connecting to external audio device.

● Mass Storage : Used as a portable storage device.

● Firmware Upgrade available via the USB

● Navigation : Anytime file selection is available while listening to music by Navigation file search function

● FM Radio Listening and Recording Function : Automatic saving, Automatic search 24 Preset of FM Radio.

● Voice Recording : Voice Recording Function via the built-in microphone
(Recording time: about 45hrs and 30min, 128MB memory)

● Folder : Can be stored 199 message in one folder

● Repeat Function : Multi Repeat function for Language Study : Intro, Selection repeat, one file or all of files repeat function, Random playback function

● Clock(Alam, Reseved Recording)Function

● Screen Saver

● Built in Speaker

Accessories

Earphone, USB Cable, Audio Cable, Installation CD, Battery(AAA) X 2, Hand Strap, User's Manual, Telephone Cable, Telephon Adaptor, Carriage Bag, External Mic.

*Optional Item : AC/DC Adaptor

| USB Cable | Audio Cable | Earphone | Hand Strap | Users Manual | Battery |

| External Mic | Telephone Cable /Telephone Adaptor | Installation CD | Option |
| | | | AC/DC Adaptor | Case |

Before Using the unit

Step 1 : Inserting the batteries

1. Slide to ▷(on the cover) direction and lift the battery cover.

2. Insert two batteries(AAA) with correct polarity, and close the cover.

3. The battery indicator shows the battery consumption .

4. The unit have a small rechargeable battery in side to preserve time & settings. However, if 1 hours or 10 hours (In case a small Rechargeable battery is charged for an hour) is passed without batteries, the time & settings can be erased. In this case, input time and settings like alarm etc. again after inserting new batteries.

Full

Normal

Weak

Short

Before exhausted

Exhausted
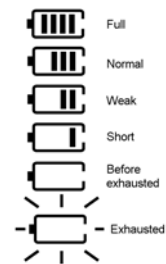
Caution

- Do not take out batteries while operating. It can cause severe malfunction.

- Be sure to replace batteries while power down.

- Do not use different types of batteries together.

- Be sure to replace both batteries with new ones when replacing the batteries.

- Do not recharge batteries and follow the instructions of battery manufacturer.

- Take out batteries to protect the unit if you do not use the unit for a long time.

Battery Life & Good Usage

The battery running time of consequent using is about 15 hrs 30 min. for voice recording and 28 hrs(Earphome volume 10) for playback in voice mode.

The battery consumption for recording is more than playback.

To turn the volume up in playback need more consumption of battery. Therefore, if you use the unit with earphone at lower volume level, you can save batteries.

**Step 2 : Setting Date and time (Refer to 24page)**

What is MP3/WMA?

● What is MP3?

MP3 is the shorten word of MPEG-1 Audio Layer 3 and audio data compression technology. Usually, it means MP3 file type music data. The MP3 file is compressed to the size of 1/12 of normal CD fille and sounded like CD.

● What is WMA ?

A popular alternative to MP3, Microsoft's WMA(Windows Media Audio) format can compress files into even smaller sizes while retaining audio quality. A general compression rate of 1/24 in relation to CD-DA(Compact Disc D

Layout and Function Keys
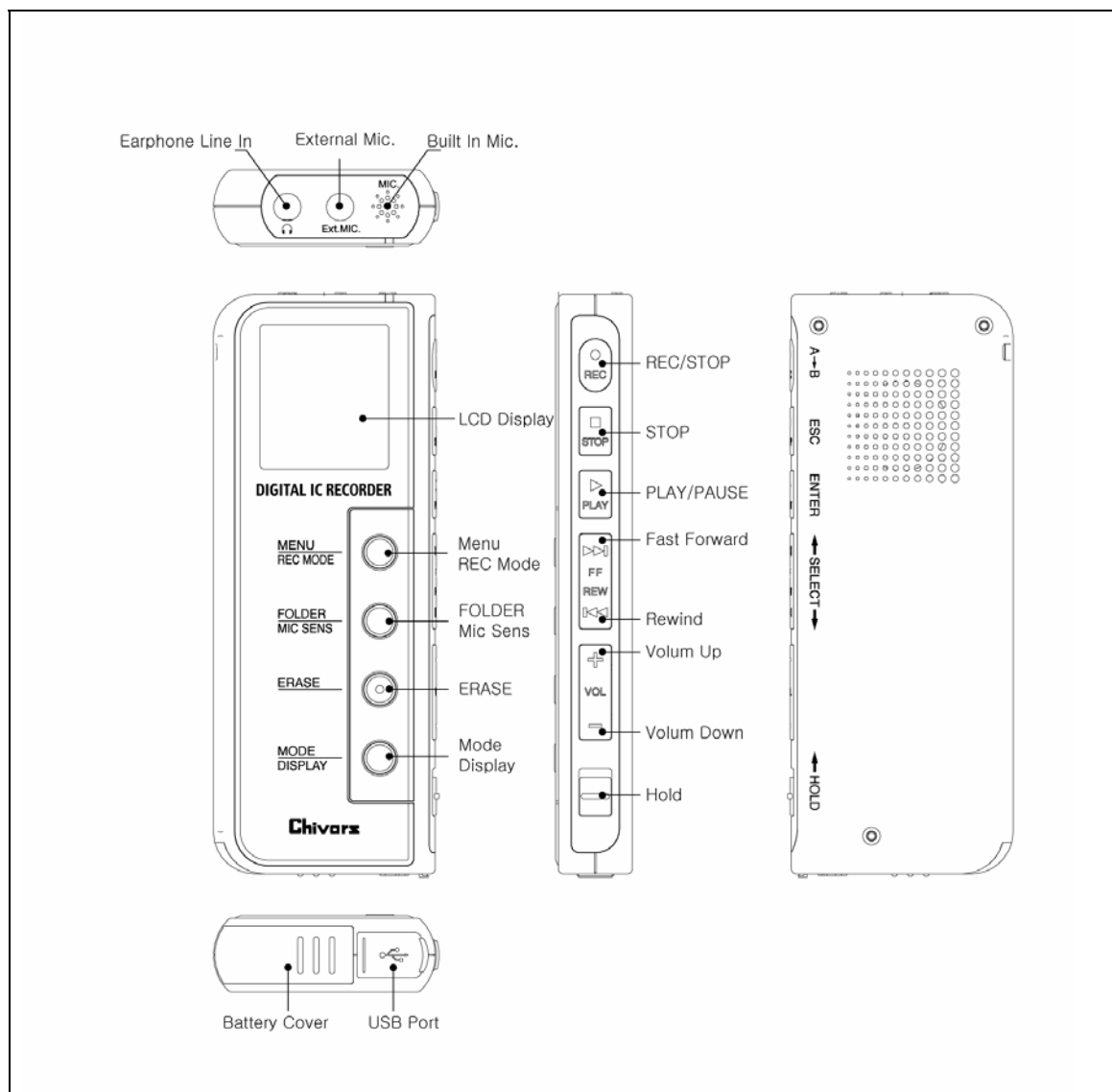
Function Description

How to Power ON/OFF

This product has automatic power off funtion. If the time passes 3 minutes without any use, the power is cut off automatically.

To turn power off directly, Set the HOLD ⬚ button on.

To turn power on, release the HOLD ⬚ button and press any key.

In case press any key in Hold mode, the current time will appear for about 5 seconds and disappear. To use the player again, release the HOLD ⬚ button to off.

Mode Setting

This unit is devided into three modes like VOICE MODE, RADIO MODE and MUSIC MODE. Select Voice Mode to record. Select Radio Mode to listen to Raido and select Music Mode to playback files.

How to set mode

Press Mode/Display ⬚ ○ button for a long to select a mode

Using FF button or REW ⬚ button, select Music→Voice→Radio mode.

After Selecting Mode, press play key then, the selected mode will be adapted..

Voice Mode

Button Description

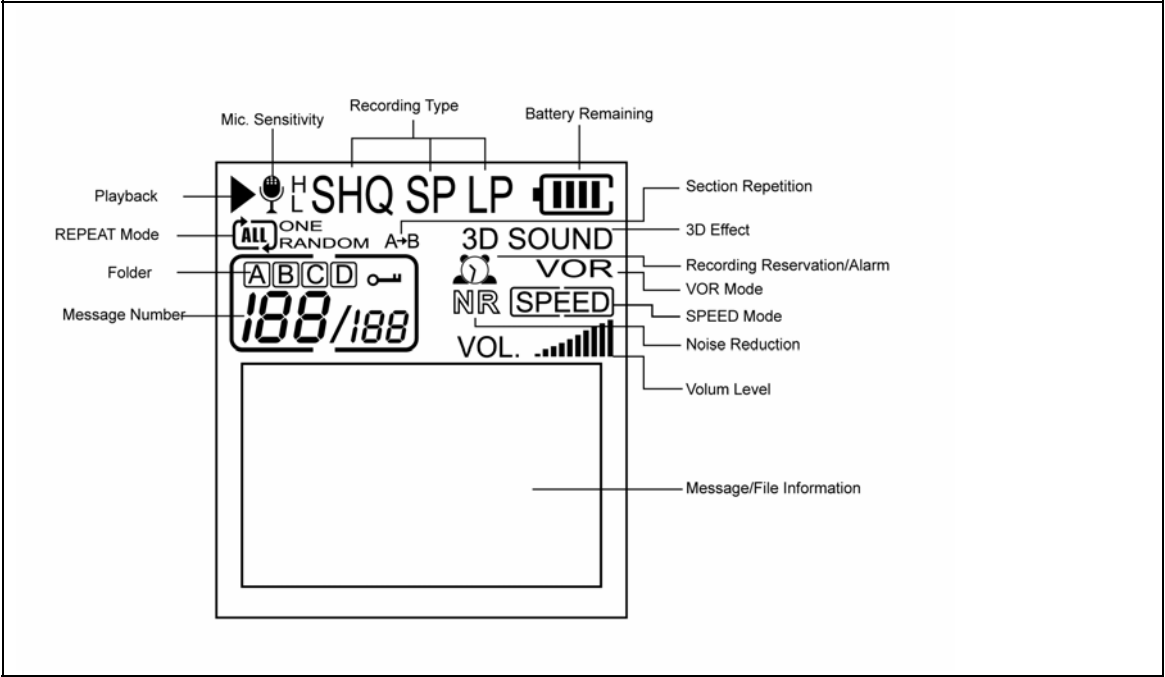| Key	Status & Method		Key Description
⬚ ○ Menu	Stop State	Long Press	Go to Main Main
	Playback State		
	Recording State	Short Press	Recording Method(SHQ,HQ,SP,LP)Change
⬚ ○ Folder	Stop State	Short Press	Recording folder(A,B,C,D)Change
	Playback State	Short Press	Go to Navigation mode
	Recording State	Short Press	Adjusting Mic Sensitivity level

		Short Press	Deleting file
ERASE ⊙ Erase	Stop State	Long Press	Deleting all the files in the folder
MODE DISPLAY ◯ Mode/Display	Stop State	Short Press	Displaying current time and the information of the recordedfile
		Long Press	Mode Change
	Playback State	Short Press	Displaying the information of the recored file
		Long Press	Mode Change
	Recording State	Short Press	Displaying the remaining time according to memory size
⊙ REC REC	Stop State	Short Press	Recording start
		Long Press	Hearing Aid Function
	Playback State	Short Press	Section Repeat
	Recording State	Short Press	Pause Recording
▪ STOP Stop	Playback State	Short Press	Playing Stop
	Recording State	Short Press	Recording Stop
	Menu State	Short Press	Canceling current selected file and Move to upper stage
▶ PLAY Play	Stop State	Short Press	Playback Start
	Playback State	Short Press	Playback Pause
	Menu State	Short Press	Saving current file and escaped
▶▶ F F REW ◀◀ FF	Stop State	Short Press	Move the cursor to the upper file
	Playback State	Short Press	Playing next file

		Long Press	Fast Forwarding Search
	Menu State	Short Press	Move the curser to the next or change the value up
![REW button] REW	Stop State	Short Press	Move the cursor To the lower file
	Playback State	Short Press	Playing former file (In case of Playing within 10sec) Playing current file (In case of playing after 10 sec)
		Long Press	Fast rewinding search
	Menu State	Short Press	Move the curser to the previous or change the value down
![Vol+ button] Vol +	Stop State	Short Press	Volume up (Max 20)
	Playback State		
	Recording State	Short Press	Volume up Mic Sensivility Up (In case of pressing folder button)
	Menu State	Short Press	Set the value up for the selected part
![Vol- button] Vol –	Stop State	Short Press	Volume down
	Playback State		
	Recording State	Short Press	Volume down / Mic volume down
	Menu State	Short Press	Set the value down for the selected part
![Hold button] Hold	Stop State	OFF	Turn Off
	Playback State	ON	Hold
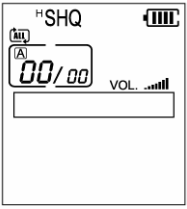
	Recording State	ON	
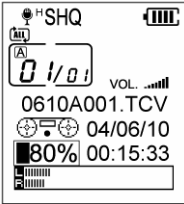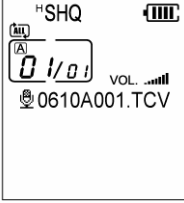
*Navigation Function : Press folder [FOLDER/MIC SENS] button and go to Navigation Mode while playingback, you can select desired file using FF or REW [FF/REW] button. By pressing play [PLAY] button shortly in the state of file selection, the selected file will be played back.

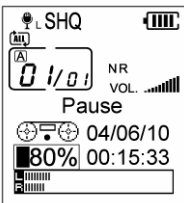## Description of LCD whilst recording

Recording & Pause

Description	LCD
1. Choose the folder [FOLDER/MIC SENS] you want to record by folder button in the voice mode	

2. After placing Mic. to the sound source press REC button shortly to record	♪ᴴSHQ　　(IIII (All) Ⓐ ⌂/⌂/ᴏ/　VOL. ▪▪▪III 0610A001.TCV ⊕⟲⊕ 04/06/10 ▪80% 00:15:33
3. Press Stop button shortly to stop while playing	ᴴSHQ　　(IIII (All) Ⓐ ⌂/⌂/ᴏ/　VOL. ▪▪▪III 🎤0610A001.TCV
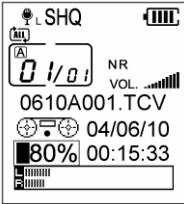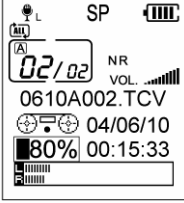
- Try test recording not to fail recording
- The number of recoding will be automatically saved next to the last recorded file
- Be careful not to scrub the surface of the player while recording to prevent the noise to be recorded.
  Be careful not to pull out the battery while recording to prevent the malfunction of the player.

Pause While recording

Description	LCD
1. Pause by pressing REC button shortly while playingback.	♪ᴸSHQ　　(IIII (All) Ⓐ ⌂/⌂/ᴏ/　NR VOL. ▪▪▪III Pause ⊕⟲⊕ 04/06/10 ▪80% 00:15:33
2. Pause maintains 10minutes. After 10minutes, converted waiting mode.	▶♪ᴴSHQ SP LP (IIII (All)ONE RANDOM A↔B　3D SOUND ⒶⒷⒸⒹ⟲　🔁 VOR 188/188　NR SPEED VOL. ▪▪▪III
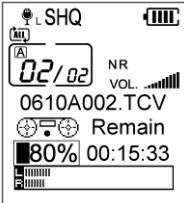
Chainging record type while recording

Description	LCD
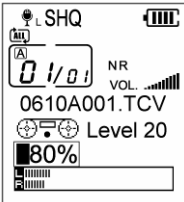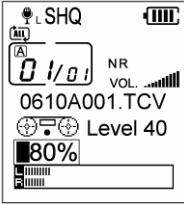
1. By pressing Menu [MENU/REC MODE] ○ button, Change the mode to SHQ→HQ→SP→LP mode.	🎤L SHQ 📶 [All] [A] ☐ 1/01 NR VOL. ▂▃▄▅ 0610A001.TCV ⊕▭⊕ 04/06/10 ■80% 00:15:33 ▤▥▥
2. After checking selected mode, press menu button about 2 seconds, then recording will be started while the message number is changed.	🎤L SP 📶 [All] [A] ☐ 02/02 NR VOL. ▂▃▄▅ 0610A002.TCV ⊕▭⊕ 04/06/10 ■80% 00:15:33 ▤▥▥

*By changing mode, recording time is extended when the remaining time is insufficient while recording

How to check the remaining time while recording

Description	LCD
1. By pressing Mode/Display [MODE/DISPLAY] ○ button shortly, the remaing time show on the LCD.	🎤L SHQ 📶 [All] [A] ☐ 02/02 NR VOL. ▂▃▄▅ 0610A002.TCV ⊕▭⊕ Remain ■80% 00:15:33 ▤▥▥

Changing recording sensivity while recording

Description	LCD
1. By pressing Folder [FOLDER/MIC SENS] ○ button, recording sensivity shows on the LCD while recording	🎤L SHQ 📶 [All] [A] ☐ 1/01 NR VOL. ▂▃▄▅ 0610A001.TCV ⊕▭⊕ Level 20 ■80% ▤▥▥
2. By pressing Volume [+ VOL −] button recording sensivity can be modified.	🎤L SHQ 📶 [All] [A] ☐ 1/01 NR VOL. ▂▃▄▅ 0610A001.TCV ⊕▭⊕ Level 40 ■80% ▤▥▥

*When the sound source is weak, the recordig sensivity can be modified to record clearly.

Connecting to the External Device

Connecting to the External Microphone

You can easily record the message by using the external microphone.

1. Connect the external microphone to the MIC terminal of the voice recorder.

2. Press REC [REC] button. It starts recording.

3. To stop the recording, press STOP [STOP] button again.

4. In case recording by External Mic., the stereo recording is available only in SHQ and HQ mode.
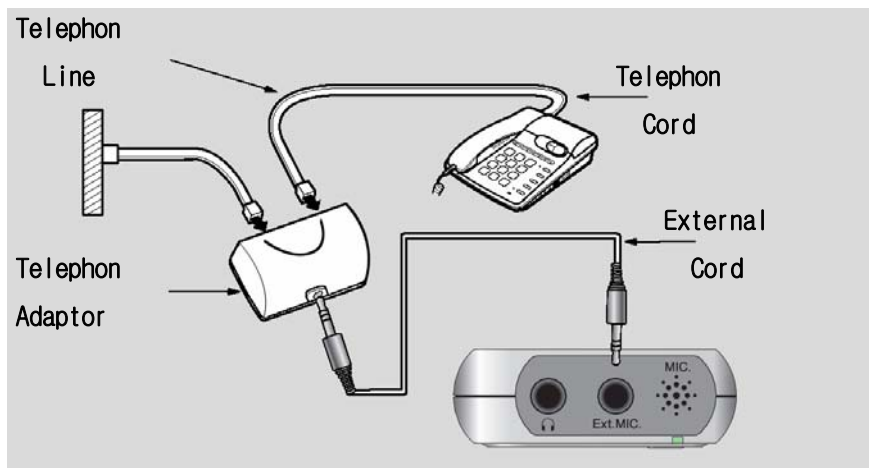
Recording from Telephone

You can record telephone conversation.

However, you can not record the conversation through the digital telephone.

1. Connect the Voice Recorder to the telephone using telephone adaptor.

2. Press REC [REC] button during conversation. The conversation will be recorded.
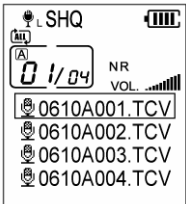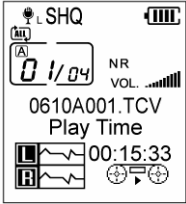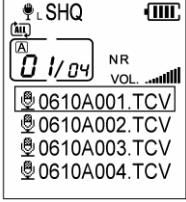
To stop recording, press STOP [STOP] button again.
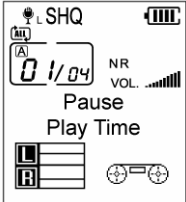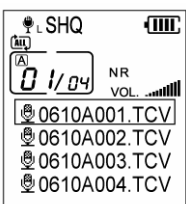
Playback & Pause

Description	LCD
1.Choose the file you want to listen by FF or Rew [FF REW] buttton.	♪LSHQ (IIII) [A] 01/04 NR VOL. ﹏ﻭﻭﻭﻭﻭ 🎙0610A001.TCV 🎙0610A002.TCV 🎙0610A003.TCV 🎙0610A004.TCV
2. Press Play [PLAY] button shortly to play	♪LSHQ (IIII) [A] 01/04 NR VOL. ﹏ﻭﻭﻭﻭﻭ 0610A001.TCV Play Time L ～ 00:15:33 R ～
3. Press Stop [STOP] button to stop.	♪LSHQ (IIII) [A] 01/04 NR VOL. ﹏ﻭﻭﻭﻭﻭ 🎙0610A001.TCV 🎙0610A002.TCV 🎙0610A003.TCV 🎙0610A004.TCV

Pause

Description	LCD
1. Pause by pressing Play [PLAY] button shortly while playingback	♪LSHQ (IIII) [A] 01/04 NR VOL. ﹏ﻭﻭﻭﻭﻭ Pause Play Time L R
2. Pause will be maintained for 10 minutes. After 10 minutes, pause will be converted into waiting mode .	♪LSHQ (IIII) [A] 01/04 NR VOL. ﹏ﻭﻭﻭﻭﻭ 🎙0610A001.TCV 🎙0610A002.TCV 🎙0610A003.TCV 🎙0610A004.TCV

Playing previous / Next file while playing.

1. Press REW ⊡ button shortly while playback

   Previous song will be upfront in case of playback in 10 seconds.

2. Press ⊡ button shortly while playblack, it moves to next song

   Ongoing song will begin from the first in case of playback 10 seconds afterward.
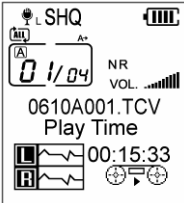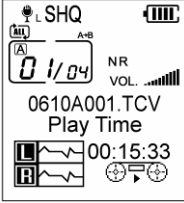
Fast Forward / Fast Rewind

Press FF or REW ⊡ button long while playback, it moves fast to previous part or next part of the file in playback.

Changing Time Display while playing back

By pressing Mode/Display ⊡○button, the display on the LCD changes Playing time→Remaining time→Recording date→Recording time.

Section Repeat

Section repeat function is the listening of certain section file repeatedly

Description	LCD Display
1. While playing, Press REC ⦿ button shortly, " A→ " will be displayed on LCD and then Starting point of section repeat will be set.	SHQ 🔋 01/04 NR VOL. 0610A001.TCV Play Time 00:15:33
2. Press REC ⦿ button shortly again, then "A →B" on LCD will show and work the section repeat.	SHQ 🔋 01/04 NR VOL. 0610A001.TCV Play Time 00:15:33
3. Press REC ⦿ button shortly again. Then, section repeat is released.	SHQ 🔋 01/04 NR VOL. 0610A001.TCV Play Time 00:15:33

Displaying File Information

In stop stage, when pressing Mode/Display ⊙ button, current time and the information of the selected file will be shown as playback Time -> recording Time in order.

File Deletion

In stop stage of Voice mode, press Erase ⊙ button shortly. the selected file will be deleted. When pressing Erase ⊙ button long, the selected folder will be deleted.

*Caution
The erased MP3 files cannot be restored. Check before erasing.

Changing Folder

In stop stage, the folder will be changed to A→B→C→D repectively by pressing

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folder $\overline{\underset{\text{MIC SENS}}{\text{FOLDER}}}$ ◯ button.

Using Hearing Aid Function

For using hearing aid fuction, earphone must be connected to the set.

Connecting earphone, when pressing long REC 🔘 button, hearing aid function

starts. When pressing stop 🔲 button, this function stops.

Caution
Before wearing earphone, do not forget to check the sound level which is sometimes strong enough to hurt the sense of hearing of a person who has sensitive ear.

Menu Setting

Press Menu $\overline{\underset{\text{REC MODE}}{\text{MENU}}}$ ◯ button long, then, it will move to Main Menu Setting mode.
Main Menu is divided into function setting and system setting. Function setting
is to control each mode, and system setting is to control the system related
parts regardless of its mode.

*Press Stop 🔲 button shortly in Menu Setting mode. Then, it will escape
from Menu Setting mode.
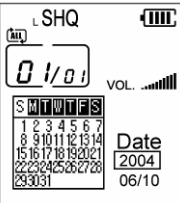The detail information on each menu is described below.

Function Setting Menu
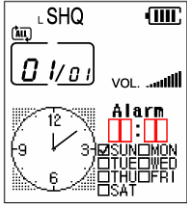
Function Setting	Description	Default
Repeat	INTRO, NORMAL ONE, NORMAL ALL, NORMAL RANDOM, REPEAT ONE, REPEAT ALL, REPEAT RANDOM	REPEAT ALL
Screen Saver	OFF, Clock, User's image	OFF
Play Speed	80%, 90%, 100%, 110%, 120%, 130%	100%

⚙ Mic Sensivity	LOW, HIGH	HIGH
🎙 Record type	LP(6K), SP(32K), HQ(64K), SHQ(128K)	SHQ(128K)
VOR VOICE OPERATING RECORD	VOR OFF, VOR ON	VOR OFF
↓↓↓ Noise Reduction	Noise Reduction OFF, Noise Reduction ON	Noise Reduction OFF

* Pressing FF or REW [⏩ FF REW ⏪] button in the main menu, it moves to system setting

menu. By pressing stop [⏹ STOP] button, it will escape from main menu.

The detail information on each menu is described below.

System Setting Menu

🗂 System Setting	Description	Default
✳ Sleep Mode	OFF(0Min~240Min)	OFF
🗓 Date		
⏰ Clock Adjust		

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Alarm		
Recording Time Preset	Voice Recording, Radio Recording	Voice Recording
Language	Japanese, Korean, English	Japanese
LCD Backlight	OFF, 1 ~ 20sec	LCD Backlight ON
LCD Contrast	0~20	10
Beep Sound	0~20	10
System Information	Memory Size & Version Description	
System Upgrade	Upgrade & Font Download	
Initialize	Low Level Format & Initialize all settings	

Function Setting Menu

1. Repeat

The Player provides 7 different repeat modes.

Mode	Description

Intro Intro	Playback all the file's front for 10 seconds.
ONE Normal One	Stop after playback one file only.
ALL Normal All	Stop after playback all the files in Memory.
RANDOM Normal Random	Random Playback from first to last files in Memory
ONE Reapeat One	Repeat playback all the files in Memory
ALL Repeat All	Repeat playback all the files in Memory
RANDOM Repeat Random	Repeat playback from first to last files in Memory

2. Screen Saver

If it pass some time in Playback, the LCD view will change to Watch or User Image. The LCD view is selectable between Watch and User Image in Screen Save function.

Note!

In case User Image, the interval time between images can be set. The interval time is adjustable from 0.1 sec. to 10 sec. and the set time is applied to the User Image view. For the detail information to use Screen Saver, please refer to „Using Screen Saver Editor"

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3. Play Speed **PLAY SPEED**

To control playback speed

Mode	Description
▷▷▷ 130%Speed 130%	Playback of 130% speed rate
▷▷▷ 120%Speed 120%	Playback of 130% speed rate
▷▷▷ 110%Speed 110%	Playback of 130% speed rate
▷▷▷ 100%Speed 100%	Playback of 130% speed rate
▷▷▷ 90%Speed 90%	Playback of 130% speed rate
▷▷▷ 80%Speed 80%	Playback of 130% speed rate

*Note

LP(Long Play)recording is only being played with Normal Play speed,100%.

4. Mic Sensitivity

Adjusting the Recording Sensitivity according to the level of noise in surround.

Select recording sensitivity by pressing FF or REW button.

MIC HI(High Sensitivity)	MIC LO(Low Sensitivity)
Sound source is far or there is little noise.	Sound source is near or there in much noise

* On the LCD selected recording sensitivity will be shown as H or L.

* When executing microphone recording, selected recording sensitivity will be adapted.

5. Voice Operated Recording VOR

VOR(Voice Operated Recording) function is that the unit records only when sound

exists.

SETTING VOR RANGE

1. Automatic Setting
 	
  1-1. Start Recording.
 	
  1-2. Make the circumstance quiet after pressing Erase button shortly.
 	
  * The dot line of Level bar on the bottom of the LCD changes to maximum value of
    the input sound and becomes the standard range of the VOR.
 	
   1-3. It searches the applicable VOR range by flickering the VOR icon on the
      upper side of the LCD for some time.
 	
   1-4. It will stop the flickering of the icon in some time and save the VOR Range
      value. The saved value will be last before re-setting it.

2. Manual Setting   2-1. Start Recording   2-2. Change the VOR Range using FF/REW button.

*Note

Test the Mic. Sensitivity by changing it when it needs to have more sensitivity or the VOR is working continuously in a loud place.

6. Noise Reduction

To reduce noise when playing recorded file.

7. Record Type

    This player provides 4 different record quality types.

Mode	Description
Super High Quality	Record with 128Kbps
High Quality	Record with 64Kbps
Standard Play	Record with 32Kbps

![LP icon] Long Play	Record with 6Kbps

*Note

*Lower bit rate is able to povide longer recording time but low sound quality.

System Setting Menu

1. Sleep Mode

If Sleep Time is set on, the unit is powered off automatically after the set time

2. Date Setting

See the current date, recorded date, recorded time and playback time by Date Setting. Select Year, month and date by FF or REW buttons and Adjust them by Vol+ and Vol- buttons. The adjusted date will be applied in when press Play button after the Date setting.

3. Time Setting

See the current time, recorded time and playback time by time setting. Select time and minute by FF and REW buttons and adjust them by Vol+ and Vol- buttons. The adjusted time will be applied in when press Play button after the Time setting.

4. Alarm Setting

Alarm will be activated if it is set on. Select Time, Minute, Day by FF or

REW [FF/REW] buttons and set the Alarm time and day by Vol+ or Vol- [VOL+/-] buttons.

The alarm will be set on after set the alarm time and press the Play [PLAY]
button.

5. Recording Time Reservation

If the date and time are reserved by this funtion, it will be recorded on
the reserved time. Select Voice Recording and Radio Recording by FF or REW

[FF/REW] buttons.

- Select Voice Recording

Set the date and recording time length(hr:min) by FF or REW [FF/REW] buttons

after press Play [PLAY] button. The recording reservation is set on when

press Play [PLAY] buttom after completion of the setting.

- Select Radio Recording

Select the Radio station to be recorded by Vol+ or Vol- [VOL] buttons and

select the Day, Time and recording time length(hr:min) by FF or REW [FF/REW]

buttons after press Play [PLAY] Key. The recording reservation is set on when
press Play button
after setting.

6. Language

Select one language among Korean, Japanese and Engligh by FF or REW button. If press Play button after language selection, the menu and all description will be displayed by the selected language.

7. LCD Backlight

LCD Backlight supports to see the LCD display in the dark place. Set the Backlighting time by FF or REW button after press Play button. The time can be adjusted as 0~20 sec. by 21 steps.

8. LCD Contrast

Adjust the LCD contrast.

Select the preferred LCD contrast by FF or REW buttons after prsee Play button. LCD Contrast can be adjusted as 0~20 by 21 steps.

9. Beep Sound

Adjust the beep sound volume by FF and REW button after press Play button. Beep sound can be adjusted as 0~20.

10. System Information

It displays the information of total memory capacity, available memory capacity and Software version.

11. Upgrade and Font download

User can upgrade and download the fonts for the player.

Caution!
Be careful the USB cable is not disconnected while upgrading and font downloading.

Note
Refer to the "Font Download" for the detail.

12. Initialize

Initialize the Menu setting value after memory format.

Caution!
Low Format may take several minutes depending on the memory size. Be careful the power is not off while format.

Radio Mode

Button Description.

Key	Status & Method		Key Description
MENU REC MODE ◯ Menu		Long Press	Move to Menu mode
FOLDER MIC SENS ◯ Folder		Short Press	Change Recording Folder(A,B,C,D)
ERASE ◉ Erase	Preset	Long Press	Erase current Preset
MODE DISPLAY ◯ Mode/Display		Long Press	Change Mode
		Short Press	Start Recording

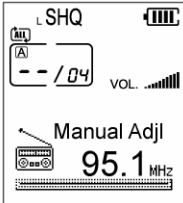| REC		Long Press	Save Manual Station
Stop	Searching station automatically	Short Press	Stop Searching
	Menu	Short Press	Cancel current selected category and move to upper class.
Play		Short Press	Select preset mode and frequency manual mode.Preset
		Long Press	Search station automatically
	Menu	Short Press	Save current selected station and escape from The menu
FF	Preset Mode	Short Press	Move to the next preset
	Frequency Manual Mode	Short Press	Set Frequency up, Searching Frequency manually
	Frequency Manual Mode	Long Press	Searching Frequency automatically
	Menu	Short Press	Move cursor to the next part or set the value up
REW	Preset Mode	Short Press	Move to previous Preset
	Frequency Manual Mode	Short Press	Set Frequency down
	Frequency Manual Mode	Long Press	Searching the Frequency automatically
	Menu	Short Press	Move cursor to the previous part or set the value down
Vol +		Short Press	Volume up
	Menu	Short Press	Set the value up for the selected menu
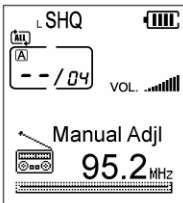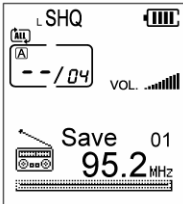
		Short Press	Volume down
Vol -	Menu	Short Press	Set the value down for the selected menu
Hold		ON	Power Off
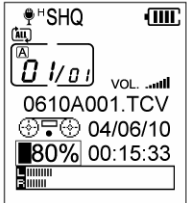
Preset Setting

Save your preferred radio station and listen easily later time.
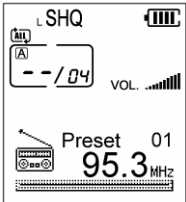
To set the Preset, there are manual setting and automatic ways. The detail usage information is following.

1. Manual Setting

Description	LCD Display
1. Press Play button in case of preset mode, then select the manual frequency setting mode.	ᴸSHQ --/04 VOL. Manual Adjl 95.1 MHz
2. By using FF or REW button, select the broadcasting you want to listen.	ᴸSHQ --/04 VOL. Manual Adjl 95.2 MHz
3. Press REC button long ,then, the preset number is selected. Change to ohter number using REW or FEW button.	ᴸSHQ --/04 VOL. Save 01 95.2 MHz
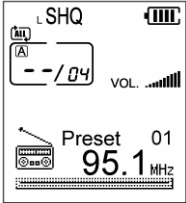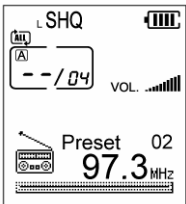
Description	LCD Display
4. press REC ⊙(REC) button shortly, currently selected broadcasting station will be recorded.	⏺ᴴSHQ ▐▐▐▐ 🔋 Ⓐ 01/01 VOL. ▪▪▫▫ 0610A001.TCV ✧✦ 04/06/10 ■80% 00:15:33 L▪▫▫▫▫ R▪▫▫▫▫

2. Automatic Setting

Description	LCD Display
Press Play ▶(PLAY) button long and automatically set the Preset value..	∟SHQ ▐▐▐▐ 🔋 Ⓐ - -/04 VOL. ▪▪▫▫ 📻 Preset 01 95.3ᴍʜᵤ

* Note : Earphone has an antenna function. So, do not remove the earphone
         from the unit.
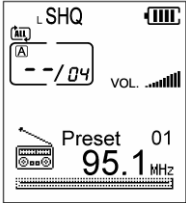
Using Preset

Description	LCD Display
1. Preset No. And ‚Preset' will be displayed when press Play Key ▶(PLAY) shortly.	∟SHQ ▐▐▐▐ 🔋 Ⓐ - -/04 VOL. ▪▪▫▫ 📻 Preset 01 95.1ᴍʜᵤ
2. Move to the previous or next preset by pressing FF or REW ⏭(FF REW ⏮) key.	∟SHQ ▐▐▐▐ 🔋 Ⓐ - -/04 VOL. ▪▪▫▫ 📻 Preset 02 97.3ᴍʜᵤ
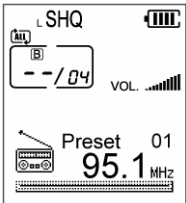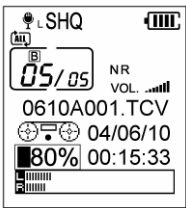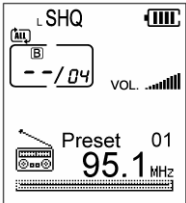
NOTE
Search the nearest station to the current one by pressing FF or REW ⏭(FF REW) button in the Manual frequency search mode.

Preset Deletion

Description	LCD Display
1. IF press ERASE (•) button long, the preset will be erased one by one, and the Preset numbers after the erased one will be erased one by one too.	∟SHQ (IIII) A --/04 VOL. Preset 01 95.1 MHz

Radio Recording and Changing the Record Folder

Description	LCD Display
1. Select the folder to be recorded by pressing Folder FOLDER MIC SENS ◯ button	∟SHQ (IIII) B --/04 VOL. Preset 01 95.1 MHz
2. Record the Radio by pressing REC (•REC) button after selet the station.	∟SHQ (IIII) B 05/05 NR VOL. 0610A001.TCV 04/06/10 80% 00:15:33
3. Stop the recording by pressing the STOP (■STOP) button.	∟SHQ (IIII) B --/04 VOL. Preset 01 95.1 MHz

Menu Setting

Press Menu MENU REC MODE ◯ button long, then it will enter into Main Menu.

Main Menu is divided into function setting and system setting. Function setting is to control each mode, and system setting is to control the system related parts regardless of its mode.

*Press Stop ⏹️ button shortly in Menu Setting mode. Then, it will escape from Menu Setting mode.

The detail information on each menu is described below.

🍒 Function Setting	Description	Default
📼 Record Type	LP(6K), SP(32K), HQ(64K), SHQ(128K)	SHQ
📻 Radio Band	Japan, Asia/USA, Europe	Japan

Function Setting Menu

1. Record Type 📼

This player provides 4 different record quality types

Mode	Description
SHQ Super High Quality	Record with 128kbps
HQ High Quality	Record with 128kbps
SP Standard Play	Record with 128kbps
LP Long Play	Record with 128kbps

2. Radio Band 📻

Set the area frequency range and frequency step.

Mode	Description	
JAPANESE Japna	Frequency Range	76 ~ 90 MHz
	Frequency Step	0.1 MHz
ASIA ORUSA Asia/USA	Frequency Range	87.5 ~ 108 MHz
	Frequency Step	0.1 MHz

	Frequency Range	87.5 ~ 108 MHz
⊞ EUROPE Europe	Frequency Step	0.05 MHz

Music Mode

Button Description

Key	Status & Method		Key Description
MENU REC MODE ◯ Menu	Stop State	Long Press	Enter into Main Menu
	Playback State		
FOLDER MIC SENS ◯ Folder	Playback State	Short Press	Change to the Navigation
ERASE ⊙ Erase	Stop State	Short Press	Delete the selected file
		Long Press	Delete all the files in a folder
MODE DISPLAY ◯ Mode/Display	Stop State	Long Press	Change the Mode
	Stop State		
REC REC	Stop State	Long Press	Ear aid function
	Playback State	Short Press	Selected area repeat function
■ STOP Stop	Playback State	Short Press	Pause
	Menu State	Short Press	Cancel the current menu and move to upper part
▶ PLAY Play	Stop State	Short Press	Playback
	Playback State	Short Press	Pause the Playback
	Menu State	Short Press	Save the current selected menu and escape out
▶▶┃ FF REW ┃◀◀ FF	Stop State	Short Press	Move the cursor to the upper file
	Play back State	Short Press	Playback the next file
		Long Press	Fast searching to next part

	Menu State	Short Press	Move the cursor to next part or set the value up
REW	Stop State	Short Press	Move the cursor to the lower file
	Playback State	Short Press	Playback the previous file
		Long Press	Playback the previous file(In case within 10 sec. of playback) Playback the current filel(In case after 10 sec. of playback)
	Menu State	Short Press	Move the cursor to the previous part or set the value down
Vol +	Stop State	Short Press	Volume Up (Max. 20)
	Playback State	Short Press	
	Menu State	Short Press	Set the selected value up
Vol −	Stop State	Short Press	Volume Down
	Playback State	Short Press	
	Menu State	Short Press	Set the selected value down
Hold	Stop State	OFF	Power Off
	Playback State	ON	Hold

LCD Display description while playback
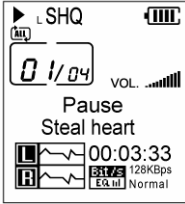
Playback / Stop

Description	LCD Display

1. Select the file to playback by FF or REW ⏮ button	ꞁSHQ ▯▯▯▯ 01/04 VOL. ▂▃▄▅▆ ♫ She`s gone.mp3 ♫ Love.wma ♫ Always.mp3 ♫ Holiday.wma
2. Playback by pressing Play ▶PLAY button shortly	▶ ꞁSHQ ▯▯▯▯ 01/04 VOL. ▂▃▄▅▆ She`s gone.mp3 Steal heart L〰〰 00:03:33 R〰〰 128KBps Normal
3. Stop it by pressing Stop ■STOP button while playback	ꞁSHQ ▯▯▯▯ 01/04 VOL. ▂▃▄▅▆ ♫ She`s gone.mp3 ♫ Love.wma ♫ Always.mp3 ♫ Holiday.wma

* Navigation Function : Press folder FOLDER/MIC SENS ◯ button and go to Navigation Mode while playingback, you can select desired file using FF or REW ⏮ button. By pressing play ▶PLAY button shortly in the state of file selection, the selected file will be played back.

Pause

Description	LCD Display
1. Pause it by pressing Play Key ▶PLAY shortly while playback	▶ ꞁSHQ ▯▯▯▯ 01/04 VOL. ▂▃▄▅▆ Pause Steal heart L〰〰 00:03:33 R〰〰 128KBps Normal

Playing back previous/Next song while Playback

1. Playback the previous song by pressing REW ⏮ button shortly while playback(within 10sec.)

2. Playback the next song by pressing FF ⬚ button shortly while

   playback(after 10sec.)

Fast Searching

Fast forward or backward in a song by pressing REW or FF ⬚ button while

playback.

Selected area repeat function(A- B)

Listen to the selected area repeatedly in a playback file.

Description	LCD Display
1. When press REC ⬭ button while playback, A→ will be displayed on the LCD as a start point.	▶ ₗSHQ ⬚ 01/04 VOL. ⬚ She`s gone.mp3 Steal heart L ～ 00:03:33 R ～ 128KBps Normal
2. When press REC ⬭ shortly again, A→B will be displayed on the LCD and repeat the area.	▶ ₗSHQ ⬚ 01/04 VOL. ⬚ She`s gone.mp3 Steal heart L ～ 00:04:15 R ～ 128KBps Normal
3. To release the funtion, press REC ⬭ shortly again.	▶ ₗSHQ ⬚ 01/04 VOL. ⬚ She`s gone.mp3 Steal heart L ～ 00:04:16 R ～ 128KBps Normal

File Deletion

In stop stage of Music mode, press Erase ⬚ button shortly. the selected

file will be deleted and press Erase ⬚ button long, selected folder will

be deleted.

Using Hearing Aid Function

For using hearing aid fuction, earphone must be connected to the set.

Connecting earphone, when pressing long REC ⟨REC⟩ button, hearing aid function

starts. When pressing stop ⟨STOP⟩ button, this function stops

---

Caution

Hearing Aid Function is for who has weak sense of ear

Before wearing earphone, do not forget to check the sound level w

hich is sometimes strong enough to hurt the sense of hearing of a

person who has sensitive ear.

Menu Setting

Press Menu ⟨MENU/REC MODE⟩ button long, then it will enter into Main Menu.

Press Menu ⟨MENU/REC MODE⟩ button long, then, it will move to Main Menu Setting mode.

Main Menu is divided into function setting and system setting. Function setting is to control each mode, and system setting is to control the system related parts regardless of its mode.

* Press stop ⟨STOP⟩ button shortly in Menu Setting mode. Then, it will escape from Menu Setting mode.

The detail information on each menu is described below.

Function Setting Menu

🍒 Function Setting	Description	Default
🎧 Equalizer	Normal, Classic, Jazz, Rock, Pop, Auto EQ, User EQ	Normal
🌀 3D Effect	3D OFF, 3D ON	OFF

<img> Bass Boost	Bass Boost OFF, BASS Boost ON	OFF
<img> Repeat	INTRO, NORMAL ONE, NORMAL ALL, NORMAL RANDOM, REPEAT ONE, REPEAT ALL, REPEAT RANDOM	REPEAT ALL
<img> Screen Saver	OFF, Clock, User's Image	OFF
<img> PLAY SPEED Play Speed	80%, 90%, 100%, 110%, 120%, 130%	100%

1.Screen Saver

If it pass some time in Playback, the LCD view will change to Watch or User Image. The LCD view is selectable between Watch and User Image in Screen Save function.

Note!

In case User Image, the interval time between images can be set. The interval time is adjustable from 0.1 sec. to 10 sec. and the set time is applied to the User Image view. For the detail information to use Screen Saver, please refer to „Using Screen Saver Editor"

Using by connecting to PC

No need to get installation of any software but directly use this device in Window ME, 2000, XP. However, being requested to install „ MASS Storage Driver" in Windows 98.

Insert provided CD into CD-ROM to make it autorun with „ Installation program". If not, kindly select and click „ INSTALL. EXE" by manual.

File Upload/Download
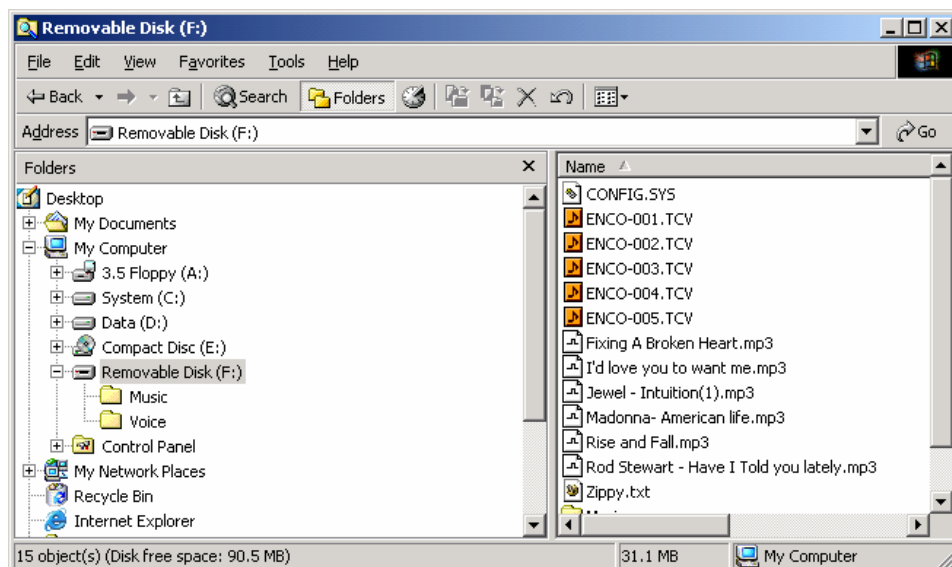
Connected to PC , It is automatically recognized with removable disc.
No need to get installation of any software but directly use this device in
Window ME, 2000, XP. However, being requested to install „ MASS Storage
Driver" in Windows 98.

Mass Storage Driver Installation for Windows 98

Select the **Mass Storage Drive for Windows 98** on the menu of INSTALLATION
PROGRAM in CD. It will be automatically installed.

Font Download (Language support)
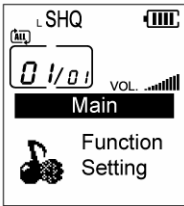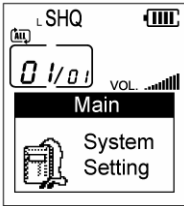
To perform the player with same language as Window's in PC, need to download
the FONT. It is basically built-in when you purchase, to use directlly, however,
case of using another language, you should get font download in the related
language Windows.
*Before downloading the FONT, needing to set the DRIVER using the Download
program.
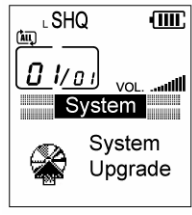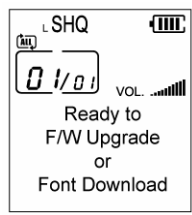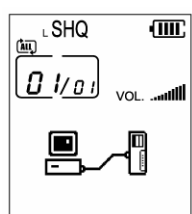
Driver Installation

Driver, which is used to get download the Font, is used to get program upgrade.
Select the part of "Driver for Upgrade and Font Download" in installation
program Menu, it will be installed automatically.

Font Download

Description	LCD Display
1. Press Menu button long to move to Menu mode.	∟SHQ Main Function Setting
2.Select system setting menu using buttons. System setting menu wil be shown on you like right picture when you press play button on the menu,	∟SHQ Main System Setting

40

3. Select System upgrad ![icon] by using FF or REW ![button] button.	⌐SHQ ▯▯▯▯ 01/01 VOL. ▁▂▃▄ ▓▓▓ System ▓▓▓ System Upgrade
4. By pressing play ![button] button, upgrade and font download will be stand by.	⌐SHQ ▯▯▯▯ 01/01 VOL. ▁▂▃▄ Ready to F/W Upgrade or Font Download
5. By connecting the set into a PC using USB cable, the picture like right side will be shown on the LCD.	⌐SHQ ▯▯▯▯ 01/01 VOL. ▁▂▃▄
6. Execute Font Download Utility of installation program.	
7.Check ‚Connected' message on the bottom side of display and press ‚Start' button to download	

Listening to recorded file

After uploading the files(TCV,TVF) recorded on Player, being requested to get "Express Media Player" to playback at PC.

Express Media Player installation

1)Before installation, all of the programs should be shut down.

2)Select "Express Media Player" from Installation Program Menu, installation will be started.

3)Press <OK> button when the pop window shows.
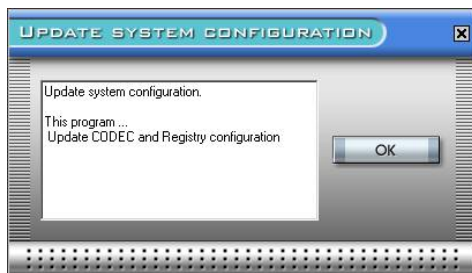
4) Be ready to get installation.
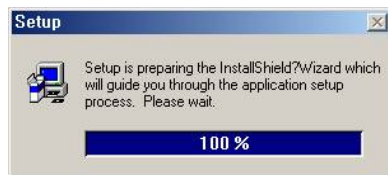
5) Press a <Next> button.

6) Press <Next> button.

 (To change the directory of installation, press <Browse...> button as below and set the directory)

7)Press <Next> button, file will be copied.

c:\program files\media.player\media.player\cc3250mt.dll

13 %

Cancel

8)Press <Finish> button to finish the installation.

Setup Complete

Setup has finished installing Media Player on your computer.

Setup can launch the Read Me file and Media Player. Choose the options you want below.

Click Finish to complete Setup.

< Back   Finish

Playback the recorded file

After installation, Basic screen is as belows. Detailed usage descriptions are followed in " " button placed the right top side of Express Media Player.

Special Utility

Special Utility Installation

1) All running programs should be closed before installation

2) Select ‚Special Utility' of installation program menu in the CD, installation will start.

3) Preparing to install
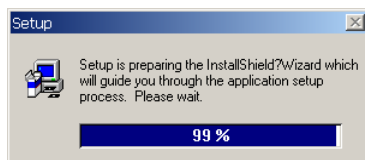
4) Press <Next> button

(To change the directory of installation, press <Browse...> button as below and set the directory)
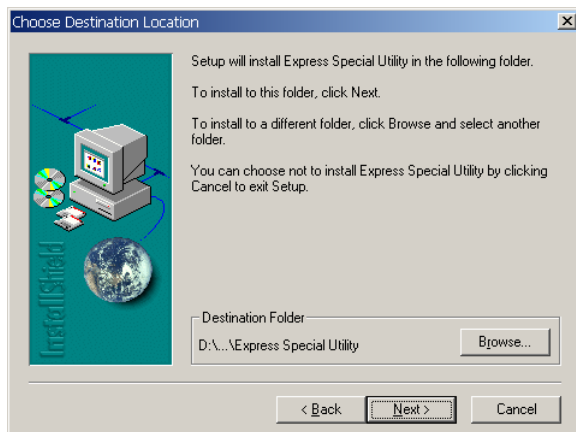
5) Press <Next> button, then, the installation will be completed after file copy.
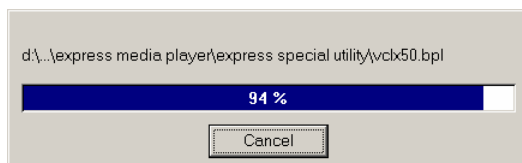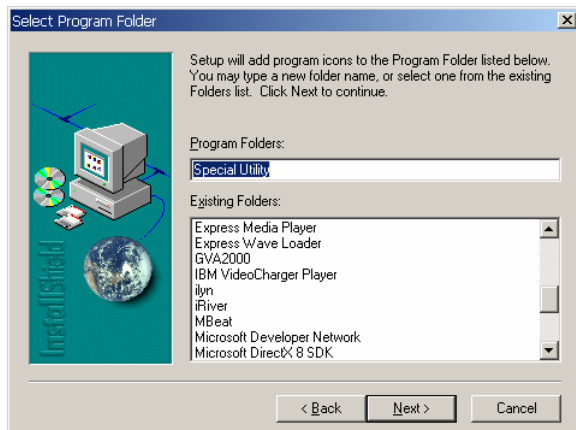
Special Utility Execution

1. The icon „Express Special Utility" will be created on the PC background when the instalation is completed.

2. Double click the icon and execute it, the icon ☐ will show up in System Tray.

Connecting to PC

1. If player is connected to PC, the state icon will be changed like below

☐ : Before   ⊡ : After

Note : In case of using Windows 98, please install the driver refering to the part „Mass Storage Driver Installation for Windows 98".

2. Utility menu will show up if place mouse point on state icon and click right button.

1) Screen Saver Editor : Edit the picture to make user selected picture be displayed on the LCD.

2) Launch on startup : In case of selection of this menu, program will be automatically executed when the system starts

Using Screen Saver Editor

Edit the picture to make user selected picture be displayed on the LCD.
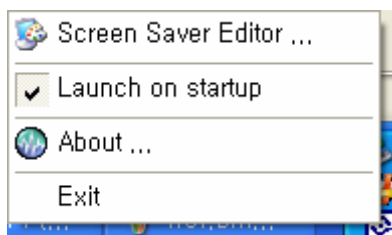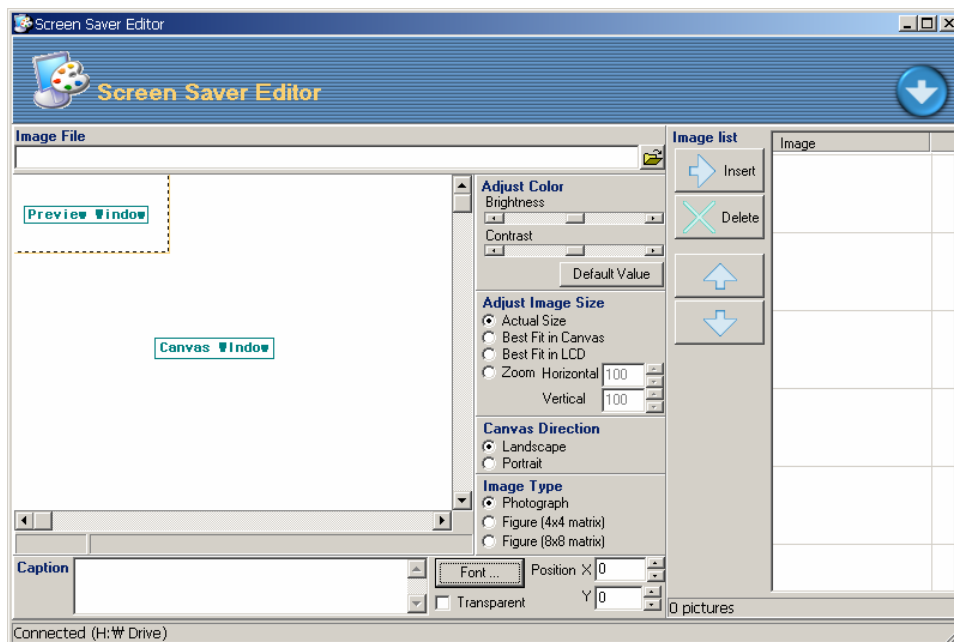
Screen Saver Editor will be executed when select „Screen Saver Editor" in state
icon menu.

1) Opening Image File

Import the file to be edited by pressing button

2) Preview Window

Preview the file to be displayed on the LCD.

3) Color Adjusting

Adjust the Brightness and Contrast of Image.

<Before Adjusting>　　<After Adjusting>

4) Image Size Adjusting

   Adjust the image size what user want.

   - Actual Size : Adjust the size as same with original one.

   - Best Fit in Canvas : Adjust the size same with Canvas window.

   - Best Fit in LCD : Adjust the size same with Preview window.

   -　Zoom : Adjust the image size into what user want.

5) Caption

   Insert the caption into the image

   - Caption Input Window : Input the caption in it.

   - Position X,Y : Select the location where the caption is displayed.

   - Transparent : Display overlapped image between caption and background.

   - Font : Select the font of caption.

6) Image Direction

   Adjust the direction of image.

   - Landscape : Adjust the image direction into horizontally.

   - Portrait : Adjust the image direction into vertically.
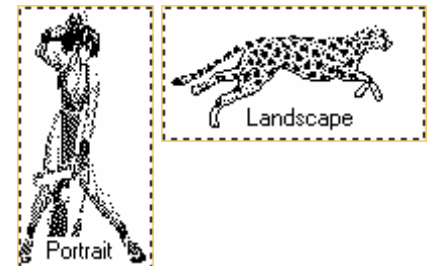
7) GIF Animation

   There are several images saved in one image file if the GIF supports animation.

   - Show Animation : Use it when edit the images altogether.

   -　Show each frame : Use it when edit only one image.

8) Image Type

   Select the transformed type depending on original image type.

   - Photograph : Select it if the original image is photograph.

   - Figure : Select it if the original image is figure(diagram).

9) Image List

   If save the edited image into player, the saved image will display on the LCD when Screen Saver is on.

   - Insert : Add the edited image into the Image List.

- Delete : Delete the selected image from the Image List.

- Changing Order   : Change the order of selected images in Image

List.

10) Saving

   Save the edited image list in palyer.

Specification

Item			Description			
Audio	Channel		Stereo			
	Frequency Range		20Hz ~ 20KHz			
	Earphone output		10mW + 10mW(16 ohm)			
	Speaker output		180mW(16ohm)			
	S/N Rate		90dB (MP3)			
Recording	Model Description		64MB	128MB	256MB	512MB
	Time	SHQ	1Hrs. 05Min	2Hrs.10Min	4Hrs.25Min	8Hrs. 50Min
		HQ	2Hrs. 10Min	4Hrs. 25Min	8Hrs. 50Min	17Hrs. 40Min
		MQ	4Hrs. 25Min	8Hrs.50Min	17Hrs.40Min	35Hrs.20Min
		LQ	22Hrs.45Min	45Hrs. 30Min	91Hrs.	182Hrs.
	Sound Quality		SHQ : 128 Kbps(Mono or Stereo)			
			HQ : 64 Kbps(Mono or Stereo)			
			MQ : 32 Kbps(Mono)			
			LQ : 6 Kbps(Mono)			
File Support	Formats		MPEG 1/2.5 Layer3, WMA			
	Bit Rate		8Kbps ~ 320Kbps(MP3), 32Kbps ~ 192Kbps(WMA)			
	Tag		ID3 V1 Tag, ID3 V2 2.0, ID3 V2 3.0, ID3 V2 4.0			
FM Radio	Frequency Range		87.5~108MHz(Korea, U.S.A, Europe), 76~90MHz(Japan)			
	Earphone output		5mW x 2ch			
	S/N Rate		50dB			
	Antenna		Earphone Antenna			
PC I Interface	System		Pentium 133MHz, RAM64MB, 20MB Hard Disc			
	OS		Win98/ME/2000/XP			
	Sound Card		Sound Blaster			
Power	Battery		LR03 Type(AAA Size) X 2 개			
General	Size(W*H*D)		100mm X 42mm X 13mm			
	Weight		49 g (Battery Excluding)			
	Operating Temp.		-0 °C ~ 40 °C			
	Memory		64M, 128MB, 256MB, 512MB Internal Memory			
	USB		USB 1.1			
	Battery life	MP3 Playing	Speaker : Approx. 20Hrs.(128kbps, Normal EQ, Vol.: 10)			
			Eearphone : Approx. 21Hrs(128kbps, Normal EQ, Vol.: 10)			
		Voice Record Playing (LP Mode)	Speaker : Approx. 27Hrs(Vol.:10)			
			Eearphone : Approx. 28Hrs(Vol.:10)			
		Voice Recording (LP Mode)	Approx.16Hrs			
		Radio Listening	Approx. 31Hrs			

Note : It depends on the battery type and the using condition(Above data is according to the manufacturer's standard)

Trouble shooting

Problem	Cause	Action
No stable sound	* Check the battery voltage * Some problem exists on file itself. * Memory format is not properly worked.	* Replace with a new battery. * Do upload and playback in Manager program case of the same problem which is happened, please delete and download again. * After formatting the memory, download again the song.
Difficult to download the file	* Check the battery shift * Poor battery * Check hold key	* Check battery polarity * Replace with a new battery * Release Hold key
No response from button	* Check the battery shift * Poor battery * Check hold key	* Check battery polarity * Replace with a new battery * Release Hold key
No Playback	* Volume set is very low * USB connected	* Do control a proper volume set * Remove the USB cable from Unit

The contents of this User's Manual has a chance to alter without any notification for quality improvement.